

Opendata to UMM Collection Mapping

Mapping from opendata to UMM

This page documents the mapping from the [Opendata v1.1. schema fields](#) to the UMM collection fields.

Required Fields

Field	Definition	UMM
title	Human-readable name of the asset. Should be in plain English and include sufficient detail to facilitate search and discovery.	entry-title
description	Human-readable description (e.g., an abstract) with sufficient detail to enable a user to quickly understand whether the asset is of interest.	summary
keyword	Tags (or keywords) help users discover your dataset; please include terms that would be used by technical and non-technical users.	multi-valued field composed of the science keywords
modified	Most recent date on which the dataset was changed, updated or modified.	<code>DataProviderTimestamps:updateTime</code> <i>CMR Note: This field is stored at the top level in the elastic index as update-time.</i>
publisher	The publishing entity.	For USGS EROS <code>{name: archive-center subOrganizationOf: {name: "U.S. Geological Survey", subOrganizationOf: { name: "U.S. Department of the Interior", subOrganizationOf: { name: "U.S. Government"}}}}</code> for everyone else <code>{name: archive-center subOrganizationOf: {name: "National Aeronautics and Space Administration", subOrganizationOf: { name: "U.S. Government"}}}}</code>
contactPoint	Contact person's name and email for the asset.	For fn (full name) field: <code>personnel:contact-person:first-name + personnel:contact-person:last-name</code> For hasEmail field: <code>personnel:contact-person:email</code>
identifier	A unique identifier for the dataset or API as maintained within an Agency catalog or database.	concept-id

accessLevel	The degree to which this dataset could be made publicly-available, regardless of whether it has been made available. Choices: public (Data asset is or could be made publicly available to all without restrictions), restricted public (Data asset is available under certain use restrictions), or non-public (Data asset is not available to members of the public)	'public' for all collections
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Required-if-Applicable Fields

Field	Definition	UMM
bureauCode	Federal agencies, combined agency and bureau code from OMB Circular A-11, Appendix C in the format of 015:11.	'026:00' (NASA) <i>NOTE: in some cases a different bureau code (e.g. USGS) may be more appropriate. When these are identified, we will modify the mapping.</i>
programCode	Federal agencies, list the primary program related to this data asset, from the Federal Program Inventory. Use the format of 015:001	'026:001' (NASA : Earth Science Research) <i>NOTE: in some cases a different program code may be more appropriate. When these are identified, we will modify the mapping.</i>
accessLevelComment	An explanation for the selected "accessLevel" including instructions for how to access a restricted file, if applicable, or explanation for why a "non-public" or "restricted public" data asset is not "public," if applicable. Text, 255 characters.	nil <i>NOTE: this is not provided since all collections are set to "public" accessLevel.</i>
spatial	The range of spatial applicability of a dataset. Could include a spatial region like a bounding box or a named place.	geometries (spatial-coverage in index) From the opendata schema : This field should contain one of the following types of content: (1) a bounding coordinate box for the dataset represented in latitude / longitude pairs where the coordinates are specified in decimal degrees and in the order of: minimum longitude, minimum latitude, maximum longitude, maximum latitude; (2) a latitude / longitude pair (in decimal degrees) representing a point where the dataset is relevant; (3) a geographic feature expressed in Geography Markup Language using the Simple Features Profile ; or (4) a geographic feature from the GeoNames database . Examples: Bounding box: { "spatial": "-117.86 -42.5 117.6 63.23" } GML Polygon (changes to this format to include the gml namespace to make this a valid XML file are forthcoming): { "spatial": "<gml:Polygon srsName=\"EPSG:9825\"> <gml:outerBoundaryIs> <gml:LinearRing> <gml:posList>40.94 -160.94 40.94 -105.82 84.27 -105.82 84.27 -1 60.94 40.94 -160.94</gml:posList> </gml:LinearRing> </gml:outerBoundaryIs> <gml:innerBoundaryIs></gml:innerBoundaryIs> </gml:Polygon>" } temporal
temporal	The range of temporal applicability of a dataset (i.e., a start and end date of applicability for the data).	One of temporal:start-date or temporal:start-date + "/" + temporal:end-date where start-date and end-date are represented in ISO-8601 format. Example: :temporal "2010-01-01T12:00:00Z/2010-01-11T12:00:00Z"

Expanded Fields

Field	Definition	UMM
theme	Main thematic category of the dataset.	projects' short-names joined with ','
distribution	Holds multiple download URLs for datasets composed of multiple files and/or file types	related-urls (with the Mime type from the mime-type field, or 'application/octet-stream' if not set and url key of either downloadURL (if downloadable) or accessURL).
accrualPeriodicity	Frequency with which dataset is published.	ECHO10 maps to MaintenanceAndUpdateFrequency. MaintenanceAndUpdateFrequency is not currently part of UMM definition.
landingPage	This field is not intended for an agency's homepage (e.g. www.agency.gov), but rather if a dataset has a human-friendly hub or landing page that users can be directed to for all resources tied to the dataset.	Dataset home page (related-urls with type (VIEW PROJECT HOME PAGE)).
language	The language of the dataset.	"en-US"
references	Related documents such as technical information about a dataset, developer documentation, etc.	related-urls
issued	Date of formal issuance.	insert-time